

CITY OF BATH



ANNUAL REPORT

OF THE

Medical Officer of Health

AND OF THE

CHIEF SANITARY INSPECTOR

FOR THE YEAR

**1926.**

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JAMES F. BLACKETT, M.D. (Lond.), D.P.H.  
Medical Officer of Health.

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BATH :  
FYSON & Co. LTD., 4 & 5 New Bond Street Place.

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## CITY OF BATH.

December, 1926.

*Mayor:* Alderman CEDRIC CHIVERS.

### HEALTH COMMITTEE.

*Chairman:* Alderman DR. PRESTON KING.

The Mayor.

Aldermen :—

C. Cowley, Preston King, M.D., F. W. Spear, T. Vezey.

Councillors :—

W. Barrett

Mrs. H. Cooke

E. J. Tiley

A. E. Cook

Mrs. Latter-Parsons T. B. Timmins

A. H. Stickler

### MATERNITY AND CHILD WELFARE COMMITTEE.

*Chairman:* Councillor MRS. K. E. LATTER-PARSONS.

The Mayor, Aldermen Preston King, M.D., T. Vezey.

Councillors :—

E. Coleman

Mrs. H. Cooke

Mrs. K. E. Latter-

A. E. Cook

S. Day

Parsons

F. E. Rogers

Co-opted Members :—

Mrs. Cordiner

Mrs. Luker

Miss Wilson-Smith

Mrs. C. H. Long

Mrs. Vernon

Dr. Wigmore

Knowles

### HOUSING COMMITTEE.

*Chairman:* Alderman C. H. LONG.

The Mayor, Aldermen C. Cowley, C. H. Long, & A. W. Wills.

Councillors :—

S. Day

F. B. Knight

W. A. Sheppard

S. D. Kennard

E. Knox

T. B. Timmins

# SUMMARY OF STATISTICS.

## CITY AND COUNTY BOROUGH OF BATH,

### HEALTH RESORT AND CHIEF TOWN OF SOMERSET.

Area of the Borough—5,152 Statute Acres.

Situation—Latitude 51° 23' N, Longitude 2° 21' W.

Elevation—Varies from 50 feet above Sea Level on the lower banks of the Bath Avon, to about 550 feet on the South and 700 feet on the North.

Mean Elevation—269 feet above Sea Level.

Geological Formation—Oolitic Clays; Limestone and Sands; Lias and Gravel.

Water—Constant Service, Corporation Reservoirs.

Capacity 61,250,000 galls. Moderately hard, spring water.

Average daily consumption, 1926, 25.4 galls. per head; 5 years, 1921-25, 21.4 galls.

Sewage disposal almost exclusively by water carriage. Treated at Saltford.

House refuse removed and cremated by the Sanitary Authority.

Population—1921 Census, 68,300 (adjusted).

Number of Inhabited Houses—Census 1921, 14,642 (i.e., structurally separate dwellings occupied by private families).

Number of families, or separate occupiers—Census 1921, 17,645.

|                                                          | Years ..... | 1926.   | 1925.  | Mean of<br>1921-25 | Mean of<br>1916-20 |
|----------------------------------------------------------|-------------|---------|--------|--------------------|--------------------|
| Population—estimated for calculation of Birth and        |             |         |        |                    |                    |
| Marriage Rates .....                                     |             | 69000   | 69050  | 68782              | 68179              |
| Ditto. Death Rates .....                                 |             | 69000   | 69050  | 68782              | 62639              |
| Rainfall (Mean of 60 years, 1866-1925, 30.82 ins.) ..... |             | 33.17   | 34.49  | 30.16              | 33.06              |
| Assessable value in December .....                       | £           | 440179  | 425525 | 421804             | 411090             |
| Rateable value in December .....                         | £           | 449345  | 430817 | 424806             | 414667             |
| Rates—District Rate .....                                |             |         | 6/-    | 6/1                | 5/1                |
| Poor Rate, etc. ....                                     |             |         | 5/10   | 6/2                | 4/7                |
| Total per £ .....                                        |             | 11/10   | 11/10  | 12/3               | 9/8                |
| One penny Consolidated Rate produced .....               | £           | 1705    |        |                    |                    |
| " Poor Rate produced .....                               | £           |         | 1700   | 1666               | 1596               |
| " District Rate produced .....                           | £           |         | 1645   | 1605               | 1533               |
| Total nett indebtedness .....                            | £           | 895236  | 687120 | 660571             | 567291             |
| Ditto. per person .....                                  | £           | 13-0-10 | 10-0-2 | 9-12-6             | 8-4-0              |
| MARRIAGES—Number registered .....                        |             | 544     | 561    | 568                | 610                |
| Rate per 1000 population, Bath .....                     |             | 15.8    | 16.2   | 16.4               | 17.9               |
| Ditto. England and Wales .....                           |             | 14.3    | 15.2   | 15.7               | 16.8               |
| BIRTHS—Number .....                                      | Bath        | 872     | 970    | 1013               | 995                |
| Rate per 1000 population .....                           | "           | 12.6    | 14.0   | 14.7               | 14.6               |
| Ditto. .... England and Wales .....                      |             | 17.8    | 18.3   | 20.0               | 20.1               |
| Illegitimate Births per 1000 Infants                     |             |         |        |                    |                    |
| born .....                                               | Bath        | 42      | 41     | 49                 | 81                 |
| DEATHS—Number—Bath residents (Civilians) .....           |             | 945     | 965    | 926                | 923                |
| Nett Rate per 1000 population Bath .....                 |             | 13.7    | 14.0   | 13.4               | 14.5               |
| Corrected rate for age and sex .....                     | "           | 10.2    | 10.5   | 10.0               | 12.6               |
| Death rate England and Wales .....                       |             | 11.6    | 12.2   | 12.2               | 14.5               |
| Comparative Mortality Figure .....                       |             | 879     | 861    | 823                | 870                |
| INFANT MORTALITY .....                                   | Bath        | 58      | 51     | 62                 | 61                 |
| England and Wales .....                                  |             | 70      | 75     | 76                 | 91                 |
| Illegitimate Infants .....                               | Bath        | 27      | 50     | 116                | 93                 |
| DEATHS from Diarrhoea and Enteritis (under 2 yrs.) ..... |             | 7       | 1      | 3                  | 3                  |
| Ditto. Rate per 1000 Births Bath .....                   |             | 8.0     | 1.0    | 3.27               | 2.84               |
| Ditto. Ditto. England and Wales .....                    |             | 8.7     | 8.4    | 9.0                | 10.83              |

## SUMMARY OF STATISTICS—continued.

| Years .....                                    | 1926. | 1925. | Mean of<br>1921-25 | Mean of<br>1916-20. |
|------------------------------------------------|-------|-------|--------------------|---------------------|
| PRINCIPAL CAUSES OF DEATH—Civilians only—      |       |       |                    |                     |
| Pulmonary Tuberculosis .....                   | 40    | 47    | 43                 | 57                  |
| "Other" Tuberculosis .....                     | 3     | 16    | 12                 | 13                  |
| Influenza .....                                | 13    | 41    | 37                 | 46                  |
| Pneumonia .....                                | 37    | 39    | 48                 | 60                  |
| Bronchitis .....                               | 61    | 68    | 62                 | 75                  |
| Cancer .....                                   | 140   | 125   | 122                | 96                  |
| Cerebral Haemorrhage and Hemiplegia .....      | 66    | 73    | 78                 | 68                  |
| Heart Disease .....                            | 146   | 162   | 146                | 133                 |
| Nephritis .....                                | 34    | 33    | 28                 | 28                  |
| Senile Decay .....                             | 81    | 70    | 74                 | 87                  |
| Seven principal "Zymotic Diseases" .....       | 20    | 14    | 14                 | 18                  |
| DEATH-RATES PER 1000 POPULATION FROM—          |       |       |                    |                     |
| Pulmonary Tuberculosis .....                   | 0.58  | 0.68  | 0.62               | 0.90                |
| "Other" Tuberculosis .....                     | 0.04  | 0.23  | 0.17               | 0.20                |
| Seven principal "Zymotic Diseases" .....       | 0.29  | 0.20  | 0.20               | 0.29                |
| Influenza .....                                | 0.19  | 0.59  | 0.53               | 0.73                |
| Pneumonia .....                                | 0.54  | 0.56  | 0.69               | 0.95                |
| Bronchitis .....                               | 0.88  | 0.98  | 0.90               | 1.19                |
| Other Diseases of Respiratory Organs .....     | 0.14  | 0.07  | 0.12               | 0.20                |
| Cancer .....                                   | 2.03  | 1.81  | 1.77               | 1.52                |
| DEATHS AT VARIOUS AGE PERIODS—                 |       |       |                    |                     |
| Under 1 year .....                             | 51    | 49    | 63                 | 59                  |
| 1 to 5 years .....                             | 22    | 22    | 18                 | 26                  |
| Between 5 and 60 years .....                   | 252   | 271   | 253                | 295                 |
| Over 60 years .....                            | 620   | 623   | 592                | 542                 |
| INFECTIOUS DISEASE—Cases notified (Civilians)— |       |       |                    |                     |
| Diphtheria .....                               | 19    | 46    | 84                 | 81                  |
| Scarlet Fever .....                            | 232   | 261   | 113                | 99                  |
| Enteric Fever .....                            | 1     | 2     | 3                  | 5                   |
| Erysipelas .....                               | 22    | 18    | 22                 | 29                  |
| Ophthalmia Neonatorum .....                    | 10    | 5     | 10                 | 12                  |
| Puerperal Fever .....                          | 2     | 3     | 1                  | 2                   |
| Pulmonary Tuberculosis .....                   | 74    | 72    | 79                 | 138                 |
| "Other" Tuberculosis .....                     | 29    | 14    | 17                 | 25                  |
| INFECTIOUS DISEASE—Attack rates per 1000 pop   |       |       |                    |                     |
| Diphtheria .....                               | 0.28  | 0.67  | 1.22               | 1.29                |
| Scarlet Fever .....                            | 3.36  | 3.78  | 1.63               | 1.55                |
| Enteric Fever .....                            | 0.01  | 0.03  | 0.04               | 0.08                |
| Erysipelas .....                               | 0.32  | 0.26  | 0.32               | 0.46                |
| Puerperal Fever .....                          | 0.03  | 0.04  | 0.02               | 0.03                |
| Pulmonary Tuberculosis .....                   | 1.07  | 1.04  | 1.15               | 2.17                |
| "Other" Tuberculosis .....                     | 0.42  | 0.20  | 0.24               | 0.39                |
| NUMBER OF DEATHS FROM—                         |       |       |                    |                     |
| Diphtheria .....                               | 2     | 2     | 2                  | 6                   |
| Scarlet Fever .....                            | 2     | 2     | 1                  | —                   |
| Enteric Fever .....                            | —     | —     | —                  | 1                   |
| Erysipelas .....                               | 3     | 4     | 1                  | 1                   |
| Measles .....                                  | 4     | 8     | 4                  | 3                   |
| Whooping Cough .....                           | 5     | 1     | 4                  | 5                   |
| Puerperal Fever .....                          | —     | 2     | 1                  | 2                   |
| DEATH-RATES PER 1000 POPULATION FROM—          |       |       |                    |                     |
| Diphtheria .....                               | 0.03  | 0.03  | 0.03               | 0.09                |
| Scarlet Fever .....                            | 0.03  | 0.03  | 0.01               | 0.01                |
| Enteric Fever .....                            | —     | —     | 0.01               | 0.01                |
| Erysipelas .....                               | 0.04  | 0.06  | 0.02               | 0.01                |
| Measles .....                                  | 0.06  | 0.12  | 0.05               | 0.05                |
| Whooping Cough .....                           | 0.07  | 0.01  | 0.05               | 0.08                |
| Puerperal Fever .....                          | —     | 0.03  | 0.02               | 0.03                |
| VACCINATION—Percentage of Infants vaccinated   | 19*   | 21    | 21                 | 22                  |

\* January to June only.

TO HIS WORSHIP THE MAYOR, AND TO THE ALDERMEN AND  
COUNCILLORS OF THE CITY OF BATH.

LADIES AND GENTLEMEN,

I have the honour as Medical Officer of Health of submitting for your consideration my Annual Report on the health and sanitary circumstances of the City during the year 1926. In accordance with the suggestion of the Ministry of Health, this is an Ordinary Report as distinct from the more comprehensive Survey Report of 1925, which dealt with a period of five years. For the most part it is a statement of work done in connection with municipal health activities, and a record of vital statistics.

Several noteworthy advances took place in 1926. Amongst them may be mentioned the issue of new Regulations concerning Puerperal Fever and Puerperal Pyrexia, the passing of the Adoption of Children Act, the partial coming into force of the Preservatives in Food Regulations and the Milk and Dairies Act, the use of the mechanical killer in slaughter-houses, and the registration of Maternity Homes. In addition, we were able to extend our work among crippled children; to add to our Tuberculosis Scheme by providing (a) beds for adult patients suffering from the non-pulmonary form of the disease, and (b) treatment by means of ultra-violet rays; to organise the scheme outlined in my last report for assisting cancer patients; and to obtain increased efficiency in certain other departments.

It is not always easy for those brought into immediate contact with individual cases of distress and injustice, or with conditions which ought never to have been allowed to arise, to preserve a sound judgment as to our progress in matters relating to housing. Particularly is this so in regard to the slum problem. It is true that repairs and improvements are constantly being carried out through the sanitary department of the Health Office, but superficial observation would suggest that little or nothing is being done to get at the root of the

difficulty and to replace bad houses by good ones within the economic reach of the tenants concerned. Housing, however, is a complex and far-reaching subject which has to be considered in terms of years rather than months. For this reason, the present position can be judged only in the light of future developments. The amount of progress so far made must ultimately be measured by the nature of the large reconstruction schemes now being elaborated and by the effective support which ratepayers are prepared, in due course, to give them.

I have again the pleasant duty of expressing my thanks to the Chairman and Members of the various Committees concerned with Public Health work for the sympathetic consideration they have always given to suggestions brought before them, and to the whole of the Health Office Staff for the loyal and efficient way in which they have carried on the work of the Department.

I remain, Ladies and Gentlemen,

Yours faithfully,

JAMES F. BLACKETT.

Medical Officer of Health.

Bath, August, 1927.

# **PUBLIC HEALTH STAFF, Dec. 1926.**

The following particulars are given in accordance with the request of the Ministry of Health.

| Name                | Qualifications,<br>etc. | Nature of Appointment.                                                                                                    |
|---------------------|-------------------------|---------------------------------------------------------------------------------------------------------------------------|
| Dr. J. F. Blackett  | W.*a.                   | M.O.H. & Supt. Statutory Hospital.                                                                                        |
| Dr. R. E. Thomas    | W.*a.                   | Deputy M.O.H.                                                                                                             |
| Dr. D. E. Morley    | W.*a.                   | Assistant Medical Officer.                                                                                                |
| Dr. O.A.G. Collins  | b.                      | Consulting Medical Officer, Statutory Hospital.                                                                           |
| Sir E. H. Cook      | P. c.                   | City Analyst and Inspector of Electric Light and Gas Examiner.                                                            |
| Mr. W. A. Craven    | W.*d.e.                 | Chief Sanitary Inspector, Inspector under the Canal Boats Act, Food and Drugs Acts, Shops Acts, and Inspector of Dairies. |
| Miss L. H. Lane     | W. f.                   | Matron Statutory Hospital.                                                                                                |
| Miss E. Axten       | W.*f.h.                 | Health Visitor.                                                                                                           |
| Mrs. G. Inman       | W.*f.g.j.               | ditto.                                                                                                                    |
| Miss I. Nash        | W.*f.g.                 | ditto.                                                                                                                    |
| Mrs. B. E. Rose     | W.*f.i.                 | ditto (Tuberculosis).                                                                                                     |
| Mr. W. T. Blake     | W. d.e.                 | Asst. Sanitary Inspector.                                                                                                 |
| Mr. J. W. Elliott   | W. d.e.                 | do. do.                                                                                                                   |
| Mr. S. D. Hawkins   | W.                      | do. do.                                                                                                                   |
| Mr. C. J. Pring     | W.                      | Chief Clerk.                                                                                                              |
| Miss E. M. Bartlett | W.                      | Asst. Clerk.                                                                                                              |
| Mr. G. E. Alder     | W.                      | do.                                                                                                                       |

W. - Whole Time. P. - Part Time.

\* Contribution to Salary (usually 50%) made by Exchequer Grants.

- a. M.D. (Lond.), D.P.H.
- b. B.A., B.C., M.R.C.S., L.R.C.P.
- c. D.Sc., F.I.C., F.C.S.
- d. Certified as Sanitary Inspector.
- e. Certified as Meat Inspector.
- f. Fully Trained Nurse.
- g. Registered Midwife.
- h. Certificate of London Obstetrical Society.
- i. Ex-Queen's Nurse.
- j. Certificate of Inc. Society Trained Masseuses.

# Report of the Medical Officer of Health for the City of Bath, for the Year 1926.

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## STATISTICS AND SOCIAL CONDITIONS OF THE AREA.

The City of Bath is a County Borough, with an area of 5,152 acres. The population according to the Census figures of 1921 was 68,300, and was estimated to be 69,000 at the middle of 1926. Prior to the extension of the boundary in 1911 the area was 3,382 acres and the population about 50,000.

Although Bath is to a great extent a residential rather than an industrial City, there are several large works in which engineering, cabinet making, the manufacture of cloth, and other industries are carried on.

Details in regard to the number of houses and families, together with much other statistical information, may be found in the Summary on pages 4 and 5.

The following extracts from the vital statistics are given in the form suggested in the Ministry of Health's Circular No. 743:—

|                                                              |              | Total.      |              | M.           | F.  |            |          |
|--------------------------------------------------------------|--------------|-------------|--------------|--------------|-----|------------|----------|
| Births                                                       | Legitimate   | ...         | 835          | 410          | 425 |            |          |
| Births                                                       | Illegitimate |             | 37           | 23           | 14  | Birth Rate | ... 12.6 |
| Deaths                                                       | ...          | ...         | 945          | 404          | 541 | Death Rate | ... 10.2 |
| No. of women dying in, or in                                 |              | From sepsis |              | ...          | ... | nil        |          |
| consequence of, childbirth                                   |              | ,,          |              | other causes |     | 2          |          |
| Deaths of Infants under one year of age per 1,000 births :-- |              |             |              |              |     |            |          |
| Legitimate                                                   |              | 60;         | Illegitimate |              | 27; | Total      | 58.      |
| Deaths from Measles (all ages)                               |              | ...         | ...          |              |     | 4          |          |
| ,, ,, Whooping Cough (all ages)                              |              | ...         | ...          |              |     | 5          |          |
| ,, ,, Diarrhoea (under 2 years of age)                       |              | ...         | ...          |              |     | 7          |          |

**Vital Statistics.** A detailed summary of figures for 1926 and for several previous years is given on pages 4 and 5. The birth rate of 12.6 per 1,000 living is (except for two war years) the lowest yet recorded and is much lower than that for England and Wales as a whole (17.8).

The corrected death rate (10.2) is as usual less than that of England and Wales (11.6) and is slightly below that of 1925 (10.5). The infant mortality, i.e., the number of deaths under one year for every 1,000 births, continues to be extremely satisfactory in relation to what it was a generation ago (e.g., 58 in 1926; average of 130 for 10 years, 1891-1900).

Except for a relatively high incidence of Scarlet Fever (see page 17), the amount of sickness and invalidity has not been specially noteworthy.

## **GENERAL PROVISION OF HEALTH SERVICES FOR THE AREA.**

**Hospitals Provided or Subsidised by the Local Authority.**  
**Fever.** Statutory Fever Hospital, Claverton Down. See page 19.

**Small-pox.** There is no special hospital. Cases would have to be nursed at the Statutory Hospital. See also page 18.

**Tuberculosis.** Winsley Sanatorium. 14 beds allocated for City patients. See page 21.

Bath, Somerset and Wilts Central Children's Orthopaedic Hospital, Combe Park, Bath. See page 22.

A few beds are also available for children and for adults suffering from non-pulmonary tuberculosis at other recognised institutions. See page 21.

**Maternity.** Rivers Street Maternity Home. 5 beds. See page 25.

**Children.** The Orthopaedic Hospital—see pages 22 and 27.  
Royal United Hospital—in connection with School Medical Service, and out-patient treatment of crippling defects of infants (page 27).  
Ear, Nose and Throat Hospital (School Medical Service).  
Eye Infirmary (School Medical Service).

**Venereal Disease.** Special Clinic at Royal United Hospital, with in-patient treatment if necessary.

The Authority accepts complete financial responsibility for the Fever Hospital, the Maternity Home, and for 14 beds

at Winsley Sanatorium. At the other institutions payment is made at an agreed rate for actual services rendered. A Government grant of 50 per cent. is received in respect of Tuberculosis, the Maternity Home, and the School Medical Service. The grant in the case of Venereal Disease is 75 per cent.

**Institutional Treatment for Unmarried Mothers,** illegitimate infants and homeless children, may be provided by the Guardians, by the Bath Vigilance and Rescue Association at 12, Walcot Parade, or by the Salvation Army Home for Women and Girls at 3, Abbey Street.

**Ambulance Facilities.** (a) Infectious Cases. Two horse ambulances are owned by the City for use in cases of infectious diseases. (b) Non-infectious and accident cases. The Fire Brigade and the St. John Ambulance Association each have a motor ambulance which is available for ordinary cases at reasonable charges. (Fire Brigade Ambulance transferred to Police in 1927.)

## Clinics and Treatment Centres.

### DAYS AND TIMES OF ATTENDANCE.

|                                      | See<br>also<br>page | Monday | Tuesday | Wed'day               | Thursday              | Friday | Saturday |
|--------------------------------------|---------------------|--------|---------|-----------------------|-----------------------|--------|----------|
| <b>Infant Welfare Centres :—</b>     |                     |        |         |                       |                       |        |          |
| Rosewell House .....                 | 26                  |        | 2.30—4  |                       |                       | 2.30—4 |          |
| Walcot .....                         | 26                  |        |         |                       | 2.30—4                |        |          |
| Oldfield Park .....                  | 26                  |        |         | 2.30—4                |                       |        |          |
| <b>Ante-Natal Clinic</b> .....       | 24                  | 2.30—4 |         |                       |                       |        |          |
| <b>Tuberculosis Dispensary</b> ..... | 21                  | 10—5   |         |                       |                       | 2.30—8 |          |
| <b>Venereal Diseases</b> .....       | 23                  |        |         |                       |                       |        |          |
| Clinic—Men .....                     |                     |        |         |                       |                       | 5—6.30 | 5—6.30   |
| Women .....                          |                     |        | 5—6.30  |                       |                       |        |          |
| <b>School Clinics—</b>               |                     |        |         |                       |                       |        |          |
| Inspection .....                     |                     | 2—4.30 | 2—4.30  |                       | 2—4.30                | 2—4.30 | 10—12    |
| Eye .....                            |                     |        |         |                       | 10.30<br>3.45<br>2.30 |        |          |
| Dental .....                         |                     | 2.30   | 10      | 2.30                  |                       | 10     |          |
| <b>Ear, Nose &amp; Throat :</b>      |                     |        |         |                       |                       |        |          |
| Rosewell House ....                  |                     | 9.30   | 9.30    | 9.30                  | 9.30                  | 9.30   | 9.30     |
| Royal United Hos. ....               |                     |        |         |                       | 2.30                  |        |          |
| Ear, Nose & T. Hos. ....             |                     |        |         |                       | 9.30                  |        |          |
| Minor Ailments Clinic .....          |                     | 2—4 30 | 2—4.30  | 2—4.30                | 2—4 30                | 2—4.30 | 9.30—11  |
| <b>Orthopaedic :—</b> .....          | 27                  |        |         |                       |                       |        |          |
| Rosewell House ....                  |                     |        |         | 2.30—4                |                       |        |          |
| Royal United Hos. ....               |                     |        |         | Daily by appointment. |                       |        |          |

Whole-time School Dental Surgeon commenced his duties on November 22nd.

There are no **Day Nurseries** in Bath.

**Public Health Officers of the Local Authority.** See page 8.

**Professional Nursing in the Home.** In connection with midwifery this is undertaken

(Nurses are fortunately available when necessary in cases of by the City Midwives (see page 25). The services of the District Ophthalmia Neonatorum. Patients suffering from Cancer may have nursing facilities provided at the cost of the Council. Except as above, no arrangements are made by the Health Committee for nursing cases of ordinary sickness or of infectious diseases in the home.

The Bath District Nursing Institute, which is affiliated to the Queen Victoria Jubilee Institute for Nurses, was founded in 1886 to provide skilled nursing for the sick poor in their own homes, and carries on very valuable work of this kind. It is supported by voluntary contributions. During the year ending 31st March, 1927, 6 Nurses paid 23,986 visits to 692 patients.

**Midwives.** The Council is entirely responsible financially for four District Midwives and also for those working at the City Maternity Home at Rivers Street. No subsidy is given to any others. The total number of midwives practising in the area during 1926 was 21. For an account of their work reference should be made to page 24.

**Legislation in Force.** An account of the special Acts and Bye-Laws in force in the area was given in some detail in my 1925 Report (pages 19-21) and need not be repeated here. To the list of Bye-Laws mentioned, the following should be added :—

Maternity Homes, 1926.

Slaughter Houses. Additional to the 1899 Bye-Laws and including one relating to the stunning of animals by the use of mechanically operated instruments.

## **SANITARY CIRCUMSTANCES OF THE AREA.**

**Water Supply.** An ample supply of pure water was available throughout the year. A few complaints reached the Health Office to the effect that foreign material was coming through the mains and enquiry showed that they were justified. Bacteriological examination, however, confirmed my opinion that there was no pathological contamination likely to be injurious to health. The complaints were referred to the Engineer and on his advice certain improvements in

connection with the filtering were sanctioned. It is hoped that further trouble will now be avoided.

Bath water is stored in reservoirs supplied by deep springs. It is moderately hard and of great bacteriological and chemical purity. The average daily consumption during 1926 was 25.4 gallons per head of the population.

**Rivers and Streams.** It has not been necessary to take any action during the year (nor for several years) with regard to pollution.

**Drainage and Sewerage.** Nearly the whole of the sewage of the City is dealt with by a combined water-carriage system, which in the first place conveys it to the Pumping Station at Twerton. From here it passes through a 30in. main for a distance of over five miles to the Sewage Disposal Works at Saltford. No important extensions have taken place during the year, but interesting and valuable experiments have been carried out by the City Engineer with the object of improving still further the method of dealing with the sewage at the Works.

**Closet Accommodation.** An adequate system of water closets is in use in nearly the whole area. Only in outlying districts are there a few earth closets and cesspools.

**Scavenging.** Arrangements are made to collect refuse once a week from every house in the City, generally by means of covered electric vehicles. It is then conveyed to the Destructor Works in the Upper Bristol Road and burnt. The use of portable covered metal dustbins, to which I referred a year ago, has not yet been enforced.

**Smoke Abatement.** On account of the coal strike and in view of expected new legislation on the matter, it was scarcely possible to take active steps to deal with this problem during 1926.

**Premises and Occupations controlled by Bye-laws and Regulations.** The position is that which was described in my last Report.

**Schools.** Matters of interest in connection with schools are referred to in my Report to the Education Authority.

### HOUSING STATISTICS.

Number of new houses erected during the year :—

|                                                   |     |     |     |     |     |     |     |
|---------------------------------------------------|-----|-----|-----|-----|-----|-----|-----|
| (a) Total                                         | ... | ... | ... | ... | ... | ... | 123 |
| (b) With State assistance under the Housing Acts. |     |     |     |     |     |     |     |
| (i) By the Local Authority                        | ... | ... | ... |     |     |     | 34  |
| (ii) By other bodies or persons                   | ... | ... | ... |     |     |     | 52  |

1. *Unfit Dwelling Houses.* Inspection :—

|                                                                                                                                                                              |     |     |     |     |     |      |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|-----|-----|-----|------|
| (1) Total number of dwelling-houses inspected for housing defects (under Public Health or Housing Acts)                                                                      | ... | ... | ... | ... | ... | 3652 |
| (2) Number of dwelling-houses which were inspected and recorded under the Housing (Inspection of District) Regulations, 1910, or the Housing Consolidation Regulations, 1925 | ... |     |     |     |     | 91   |
| (3) Number of dwelling-houses found to be in a state so dangerous or injurious to health as to be unfit for human habitation                                                 | ... | ... |     |     |     | 12   |
| (4) Number of dwelling-houses (exclusive of those referred to under the preceding sub-heading), found not to be in all respects reasonably fit for human habitation          | ... | ... |     |     |     | 381  |

2. *Remedy of Defects without Service of Formal Notice.*

|                                                                                                                             |     |     |  |  |  |    |
|-----------------------------------------------------------------------------------------------------------------------------|-----|-----|--|--|--|----|
| Number of Defective Dwelling-houses rendered fit in consequence of informal action by the Local Authority or their Officers | ... | ... |  |  |  | 25 |
| (The figure refers only to houses where extensive repairs were carried out.)                                                |     |     |  |  |  |    |

3. *Action under Statutory Powers.*

A. Proceedings under section 3 of the Housing Act, 1925.

No action was taken under this section during 1926.

B. Proceedings under the Public Health Acts.

|                                                                                                        |     |     |     |     |     |     |
|--------------------------------------------------------------------------------------------------------|-----|-----|-----|-----|-----|-----|
| (1) Number of dwelling-houses in respect of which notices were served requiring defects to be remedied | ... | ... | ... | ... | ... | 351 |
| (2) Number of dwelling-houses in which defects were remedied after service of formal notices :         |     |     |     |     |     |     |
| (a) by Owners                                                                                          | ... | ... | ... | ... |     | 351 |
| (b) by Local Authority in default of owners                                                            |     |     |     |     |     | Nil |

C. Proceedings under sections 11, 14 and 15 of the Housing Act, 1925.

|                                                                                                                                    |     |
|------------------------------------------------------------------------------------------------------------------------------------|-----|
| (1) Number of representations made with a view to the making of Closing Orders ... ..                                              | 5   |
| (2) Number of dwelling-houses in respect of which Closing Orders were made ... ..                                                  | 5   |
| (3) Number of dwelling-houses in respect of which Closing Orders were determined, the dwelling-houses having been rendered fit ... | Nil |
| (4) Number of dwelling-houses in respect of which Demolition Orders were made ..                                                   | 1   |
| (5) Number of dwelling-houses demolished in pursuance of Demolition Orders ... ..                                                  | 1   |

### INSPECTION AND SUPERVISION OF FOOD.

It will be seen from the statistics given by the Chief Inspector that a considerable amount of work was done during 1926 in connection with this important matter. New legislation is constantly imposing fresh duties on the Department and is reflected in a continual increase in the number of inspections made and samples taken. The figures are to be found on pages 29 to 33 and deserve careful study.

**Milk.** The following summary shows the number of dairy-men in the City licensed to supply milk in accordance with the Milk (Special Designations) Order, 1923:—

|                                                       |   |
|-------------------------------------------------------|---|
| Certified Milk ... ..                                 | 5 |
| Grade A (Tuberculin Tested) ... ..                    | 5 |
| Other designations, including pasteurised milk ... .. | 0 |

**Meat.** Inspections under the Meat Regulations are proceeding satisfactorily. During 1926 the Council, after careful and prolonged consideration, adopted a Bye-law which, in effect, makes the use of a mechanical killer compulsory for all animals usually killed for food in slaughterhouses, except sheep. The Bye-law came into force only on October 1st, but there seems reason to hope that it will work smoothly and well. The question of including sheep was deferred for a year. On the other hand, the general adoption of Section 160 of the Bath Corporation Act, which absolutely prohibits the inflation of carcasses, has been attended with difficulties which are not yet overcome.

## INFECTIOUS DISEASES.

An analysis of notifications received and cases removed to hospital during 1926 in relation to the age and sex of the patients is given on page 37. On page 5, notifications, attack-rates, deaths and death-rates, of the principal diseases are summarised and the figures compared with similar ones for previous years. The most noteworthy features of 1926 were the continued prevalence of Scarlet Fever and the further diminution of the low diphtheria rate which was noted during 1925. Further information in regard to these and other infectious diseases are given below.

**Disinfection** of rooms occupied by patients suffering from Scarlet Fever and Diphtheria is carried out as soon as the patient is removed to Hospital, or is stated by the doctor to have recovered. Routine disinfection is also undertaken in connection with tuberculosis. Facilities for the cleansing of persons and disinfection of clothing infested with vermin are provided at the Disinfecting Station at the Destructor Works.

**Scarlet Fever.** Although the number of cases notified was less than in 1925 (232 instead of 261) it was more than twice the average of the previous 10 years. For the most part, it was of a mild, and in many cases of an anomalous type. To say this, is to give a partial explanation of its prevalence, since under such circumstances the disease may escape detection and in the absence of measures to secure isolation, the patient concerned is likely to be the innocent cause of spreading it to others.

The "Dick" test has not been used by the Health Department, but I was given the opportunity of co-operating with the Medical Officers of the Combe Park Orthopaedic Hospital in connection with a small outbreak of Scarlet Fever at that institution. The specific serum for Scarlet Fever is now always available at the Statutory Hospital, but our experience has not yet been sufficient to justify an expression of opinion on its value.

**Diphtheria.** 19 cases only were notified, as compared with 46 in 1925 and an average of over 80 during the previous 10 years. Although one is scarcely justified yet in expecting this relative immunity to continue it is certainly a most satisfactory feature in connection with the health of the City at the present time. It should be added that new methods of dealing with diphtheria from the point of view of prevention are becoming available and these should receive careful consideration, if or when the occasion arises.

Antitoxin is always available at the Health Office for use by private practitioners and is supplied free of charge in suitable cases. 36,000 units in all were distributed during 1926. Immunisation by means of toxin-antitoxin, or other similar injections, was not used during the year.

**Small-pox.** In spite of the large number of cases notified from other parts of the country, we have retained our long immunity from Small-pox for another year. As we have no special hospital for this disease, however, it is advisable once more to make our position in regard to it quite clear. If cases occurred, it would be necessary to isolate them at the Statutory Hospital and to make arrangements for dealing with other infections elsewhere. A provisional scheme has been drawn up to meet an emergency of this kind and within reasonable limits would be adequate for the purpose. It must be realised, however, that a difficult situation might arise if Small-pox occurred while other infectious diseases were prevalent in epidemic form. Doubtless means could be devised to meet it, but considerable expenditure might be involved.

**Vaccination.** No vaccinations were performed by the Medical Officer of Health under the Public Health (Small-pox) Regulations, 1917.

**Enteric or Typhoid Fever.** One case only was notified. The Widal test showed a positive reaction for Para B. The patient recovered.

### LABORATORY WORK.

The City undertakes the following pathological examinations free of charge for private practitioners:—(a) Diphtheria Swabs, (b) Blood in suspected Typhoid, (c) Sputum for Tubercle Bacillus, and (d) Blood specimens and slides in suspected Venereal Disease.

A considerable number of investigations are made in connection with the Statutory Hospital and the School Clinic.

**Pathological Examinations.** The following table indicates the nature and extent of the examinations made during 1926 and also the places where they were undertaken:—

|           | Examinations for                                                                                                                                                                                         | Positive. | Negative. | Total.  |
|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-----------|---------|
|           | <i>b.</i> Diphtheria Bacillus ...                                                                                                                                                                        | ... 25    | ... 383   | ... 408 |
|           | <i>b.</i> do. Virulence                                                                                                                                                                                  | ... —     | ... —     | ... —   |
|           | <i>ab.</i> Gonococcus                                                                                                                                                                                    | ... ..    | ... ..    | ... 38  |
|           | <i>b.</i> Spirochetes                                                                                                                                                                                    | ... —     | ... —     | ... —   |
|           | <i>a.</i> Wassermann Reaction                                                                                                                                                                            | ... ..    | ... ..    | ... 63  |
|           | <i>b.</i> Widal Typhoid Reaction                                                                                                                                                                         | ... 4     | ... 8     | ... 12  |
|           | <i>c.</i> Tubercle Bacillus                                                                                                                                                                              | ... ..    | ... ..    | ... *   |
|           | <i>d.</i> Ringworm Fungus                                                                                                                                                                                | ... ..    | ... ..    | ... *   |
|           | <i>b.</i> Malaria                                                                                                                                                                                        | ... —     | ... 1     | ... 1   |
|           | <i>b.</i> Puerperal Pyrexia†                                                                                                                                                                             | ... —     | ... 2     | ... 2   |
| <i>a.</i> | Bristol University Pathological Department.                                                                                                                                                              |           |           |         |
| <i>b.</i> | Bath Central Laboratory.                                                                                                                                                                                 |           |           |         |
| <i>c.</i> | Somerset County Laboratory.                                                                                                                                                                              |           |           |         |
| <i>d.</i> | School Clinic.                                                                                                                                                                                           |           |           |         |
| *         | Exact numbers not available. In the case of tubercle, sputum from all new cases at the dispensary is examined as far as possible, and 42 examinations were made at the request of private practitioners. |           |           |         |
| †         | From 1st October.                                                                                                                                                                                        |           |           |         |

### STATUTORY HOSPITAL.

This Hospital is situated on Claverton Down about a mile from the Combe Down tram terminus. The grounds are about eight acres in extent.

About 70 patients can be accommodated in case of need, though the air space available would not then be satisfactory.

The Medical Officer of Health acts as Medical Superintendent and is also responsible for the treatment of the patients.

Infectious cases from the Bath Rural District and from the Guardians are admitted for treatment at charges agreed upon between the Authorities concerned.

### Hospital Statistics. January 1st to December 31st, 1926.

| Cases admitted as | Number. |        |     | Deaths. |        |     | Mortality Rate. |
|-------------------|---------|--------|-----|---------|--------|-----|-----------------|
|                   | City    | Rural. |     | City.   | Rural. |     |                 |
| Diphtheria ...    | 17      | 1      | ... | 2       | —      | ... | 11.1            |
| Scarlet Fever ... | 197     | 31     | ... | 2       | —      | ... | 0.88            |
| German Measles    | 2       | 1      | ... | —       | —      | ... |                 |
| Measles ... ..    | —       | 1      | ... | —       | —      | ... |                 |
| Mumps ... ..      | —       | 1      | ... | —       | —      | ... |                 |

Diagnosis:—

Changed from Scarlet Fever to German Measles 2

Not confirmed or doubtful:—

|               |     |     |     |     |     |    |
|---------------|-----|-----|-----|-----|-----|----|
| Scarlet Fever | ... | ... | ... | ... | ... | 11 |
| Diphtheria    | ... | ... | ... | ... | ... | 3  |

Infected with second disease :—

|                             |     |     |     |     |    |
|-----------------------------|-----|-----|-----|-----|----|
| Chicken-pox                 | ... | ... | ... | ... | 2* |
| Whooping Cough              | ... | ... | ... | ... | 2* |
| Scarlet Fever (mild attack) | ... | ... | ... | ... | 1  |
| Chicken-pox                 | ... | ... | ... | ... | 2  |

\*Known to have been contracted before admission.

Average daily number of patients for year, 29.

Highest daily average for any one month, 45 in January.

Lowest daily average for any one month, 15 in July.

**Return Cases.** It is the common experience of all Infectious Diseases Hospitals that on rare occasions a fresh case of Scarlet Fever develops in a house to which a discharged patient has proceeded. It does not necessarily follow that this is a question of cause and effect. In any case, no method has yet been devised to bring the number of such so-called "return cases" below an average which is usually found to be about 3 per cent. A careful enquiry on this point was made in regard to all City cases admitted to Hospital during 1926 (and carried on to the end of March, 1927). In view of the continued pressure on our beds and of the somewhat irregular type of disease prevailing, I should not have been surprised at a rate slightly higher than usual. Actually it proved to be 2 per cent. and, therefore, rather below the average.

## TUBERCULOSIS.

**Notifications.** 103 new cases were notified during the year.

This is 17 more than in 1925. Nearly the whole of this increase is in respect of the non-pulmonary type of disease and is perhaps due to the greater interest taken in crippling defects, now that facilities for orthopaedic treatment are readily available. In any case, these figures should be read in conjunction with those relating to deaths.

Of the 103 cases, 74 were pulmonary and 29 non-pulmonary. An analysis according to age and sex is given on page 37.

Of the 103 cases notified, 15 (all pulmonary) had died by 31st March, 1927, 7 within three months of notification. 36 were admitted to City beds at Sanatoria during the year, 32 to Winsley and 4 elsewhere.

**Deaths.** The number of deaths during 1926 was 43 (pulmonary, 40; non-pulmonary, 3). This gives a death-rate of 0.62 per 1,000 living, which is definitely below the lowest

rate hitherto recorded (0.70 in 1923). The small number of deaths from non-pulmonary tuberculosis (3), in spite of the increase in the number of cases notified, was especially noteworthy. These deaths are analysed on page 38 and comparisons with other years made on page 5.

Six of the 41 patients who died in the City (there were two "inward transfers") had not previously been notified. All but one were pulmonary. Enquiries were made in all cases. In four of them the disease was of long standing and the doctor in attendance at the time of death thought that they had previously been notified. In the other two, notification was omitted through inadvertence. It will be seen that in 85 per cent. of all deaths, prior notification had been received; in 1925 the corresponding percentage was 75.

**The Dispensary** at 26, Charles Street is administered entirely by the Somerset County Council, one of whose Medical Officers attends every Monday and Friday. It is at the service of all City cases, insured and non-insured, and also for a few County patients living outside the boundary. The whole cost is charged to the City, except that in respect of County cases a pro rata deduction based on attendances is made. Attendances for 1926 were as follows:—

|               |     |     |     | Bath<br>Patients. | County<br>Patients. |
|---------------|-----|-----|-----|-------------------|---------------------|
| New Cases     | ... | ... | ... | 305               | 68                  |
| Return Visits |     | ... | ... | 1964              | 364                 |

Milk (and occasionally other food) is distributed to necessitous cases at the Council's expense.

During the year the City Tuberculosis Health Visitor paid 1,870 effective visits, as well as being in regular attendance with the Medical Officer at the Dispensary.

**Sanatorium Treatment.** The Council has purchased and maintains 14 beds at the Winsley Sanatorium. This Institution, for cases of early pulmonary tuberculosis in adults, is reserved almost exclusively for patients from Wiltshire, Bath and Bristol.

In addition to this, eight beds are now available for all types of tuberculous disease in children and (since August) three for non-pulmonary tuberculosis in adults, in institutions approved by the Ministry of Health for the purpose. Children suffering from crippling defects due to tuberculosis are sent

to the Combe Park Orthopaedic Hospital. During 1926, 44 patients were discharged from Winsley on completion of treatment, 5 from Combe Park, 5 from children's sanatoria at Fleet and Nayland, 1 from the Royal Sea-Bathing Hospital at Margate, and 3 ex-Service men from Talgarth and Cefn Mably.

The Winsley patients were classified by the Medical Officer of that institution on discharge as follows:—

|              |     |     |     |     |    |
|--------------|-----|-----|-----|-----|----|
| Fit for work | ... | ... | ... | ... | 16 |
| Improved     | ... | ... | ... | ... | 14 |
| Not improved | ... | ... | ... | ... | 14 |

No residential accommodation for cases of advanced tuberculosis is provided under the City scheme, but two special wards are set apart at the Guardians' Institution at Frome Road House for such patients. On the average, about 5 beds were in occupation during 1926.

A certain number of patients suffering from tuberculosis are also treated at the Royal United Hospital. No contribution is made through the Health Committee either to the Guardians or to the Hospital.

**General Observations.** The Tuberculosis Voluntary Care Committee, which met regularly during the year, proved to be a valuable adjunct to other activities. Employment was found for several patients, assistance of other kinds given to many more, and successful educational propaganda work undertaken.

Artificial Light Treatment was commenced during 1926 and up till December 31st had been used in 11 cases of non-pulmonary tuberculosis. Treatment is given under careful medical supervision at the City Bathing Establishment and has proved so satisfactory that early in 1927 it was felt necessary to apply for the sanction of the Ministry of Health to extend the scheme.

Dental treatment was not provided under the Council's scheme during 1926, but the Ministry's authority to carry it out in certain cases has since been received.

No action was taken during the year under the Public Health (Prevention of Tuberculosis) Regulations, 1925. No formal use was made of the power given under Section 158 of the Bath Corporation Act, 1925, the provisions of which are

similar to Section 62 of the Public Health Act, 1925, but the knowledge that it was available was again of definite value.

### VENEREAL DISEASES.

Under the Council's scheme provision is made for free treatment at the Royal United Hospital. Three Clinics were held each week from 5 to 6.30 p.m., on Tuesdays for women, and on Fridays and Saturdays for men. Treatment can also be obtained at any other time, night or day, if necessary. The cases dealt with are mainly those from Bath and from the neighbouring parts of Somerset and Wilts. The Hospital pays all expenses and makes a pro rata charge on an agreed scale to the Authorities concerned, the City's share during the year ending March 31st, 1927, being 46 per cent. of the total.

The following figures for 1926 are of interest. The corresponding averages for the previous five years are added for comparison :—

|                                                 | 1926 | Average<br>1921-25 |
|-------------------------------------------------|------|--------------------|
| Number of new patients ... ..                   | 61   | 97                 |
| Total number of out-patient attendances ... ..  | 663  | 1262               |
| *Average cost of each attendance ...            | 7/7  | 8/6                |
| Total number "In-patient days"                  | 122  | 34                 |
| Number of doses of Salvarsan substitutes ... .. | 139  | 264                |

NOTES—75 per cent. of cost is repaid by Government grant.

\*Year ending 31st March, 1927.

All the above figures refer to Bath only.

For details as to number of pathological examinations made, see page 19.

A very small number of Bath patients treated at Clinics elsewhere are not included.

### CANCER.

Under the Council's scheme, which was referred to in my last Report, application for assistance was made in respect of 14 patients during 1926. Two were removed to the Forbes Fraser Hospital, where they were cared for during the late

stages of the disease in a way which would have been quite impossible at home. In nine cases the cost of home nursing was paid for by the Council, and in eight, drugs or dressings were provided. Eight of these patients died before the end of the year.

## **MATERNITY AND CHILD WELFARE.**

The Council's complete scheme for Maternity and Child Welfare includes an Ante-natal Clinic, the supervision of Midwives, a District Midwifery Service, a Maternity Home, a Health Visiting Department, Infant Welfare Centres, the Provision of Milk to Mothers and Children, and a scheme for dealing with crippling defects. As the various activities were described at some length in the Survey Report of 1925, a summary only will be given on this occasion.

### **ANTE-NATAL CLINIC.**

The Clinic is held on Monday afternoons at the Rivers Street Maternity Home and is taking an increasingly important part in safeguarding the health and well-being of expectant mothers in the City.

During the year 48 sessions were held, 206\* new patients were seen, and a total of 652 attendances were made. In addition, the City Midwives paid 1,366 visits to the homes of expectant mothers.

\*This number is not strictly comparable with the corresponding number given in previous years.

A full and detailed report of the work done during 1926 was presented to the Maternity and Child Welfare Committee in May, 1927.

### **MIDWIVES.**

The Local Supervising Authority under the Midwives Acts is the City Council which acts through its Maternity and Child Welfare Committee.

During 1926 the number of midwives signifying their intention to practise in the City was 21. Three of them had been "in practice in 1901." Ten worked solely in connection with public institutions.

The number of confinements attended by all midwives was

653. Six attended more than 60 each and seven less than 10 each. On 444 occasions no doctor was present. A doctor was previously engaged in 44 cases, and was called in owing to some emergency for the remaining 165.

Altogether a doctor was called in under the Rules of the Central Midwives Board on 190 occasions for various emergencies in connection with births and miscarriages. These emergencies may be grouped as follows:—

|                                   |     |     |     |     |     |
|-----------------------------------|-----|-----|-----|-----|-----|
| Complications of labour           | ... | ... | ... | ... | 117 |
| Ante-natal conditions             | ... | ... | ... | ... | 19  |
| Post-natal condition of mother    | ... | ... | ... | ... | 18  |
| Unsatisfactory condition of child | ... | ... | ... | ... | 36  |

**City Midwives.** Four midwives are employed by the Maternity Department of the District Nursing Institute, for which the Council is financially responsible. During the year they attended 384 cases.

Net subsidy required from rates:—

|                        | 1926. | Average 1923-25. |
|------------------------|-------|------------------|
| Year ending 31st March | £218  | £211             |

**Midwifery Fees paid to Doctors** under Section 14 of the Midwives Act, 1918. The approximate liability incurred was £259, and the amount recovered from patients about £111.

### MATERNITY HOME.

A Maternity Home with five beds was opened in November 1917, at 44, Rivers Street. The nursing arrangements are carried out under the supervision of the Matron of the Bath District Nursing Institute, subject to the control of a Committee of the Council. The Medical Officer of Health is the Medical Superintendent. By a suitable financial adjustment with the Nursing Institute, the whole of the deficit in the working expenses is borne by the City. Fees are charged in accordance with the patients' ability to pay, but every effort is made to encourage the use of the Home by poorer members of the community for whom it was primarily intended.

The following figures will give an idea of the work done:—

|                                                             | 1926. | Average<br>1921-25. |
|-------------------------------------------------------------|-------|---------------------|
| Number of cases admitted ... ..                             | 92    | 117                 |
| Average stay in days ... ..                                 | 15½   | 15                  |
| Average number in Home each day                             | 4     | 4.8                 |
| Cases in which a doctor was engaged                         | 14    | 22                  |
| Cases in which a doctor was called in                       | 36    | 47                  |
| *Percentage of total cost contributed<br>by patients ... .. | 53    | 52†                 |
| *Net cost to rates ... ..                                   | £241  | £226                |

\*Year ending 31st March.  
†Figure for 1925 should have been 53 instead of 42 as in last Report.

### HEALTH VISITORS.

There are three whole-time Health Visitors, each of whom has charge of one of the three districts into which the City is divided for this purpose. Each Visitor also attends at least once a week at one of the Infant Welfare Centres on the day allotted to the children from her area.

The visits paid during 1926 were as follows:—

|                                        |                   |
|----------------------------------------|-------------------|
| To children under one year ... ..      | 4568              |
| To children between one and two ... .. | 1901              |
| To children over two ... ..            | 3251              |
| Others ... ..                          | 901               |
|                                        | <hr/> 10621 <hr/> |

### INFANT WELFARE CENTRES.

The close co-operation between the City Council and the Bath Infant Welfare Association has continued during 1926 and the previous high level of work has been well maintained. The Association publishes a special report each year.

Some figures for 1926 are as follows:—

|                                                     | Rosewell<br>House. | Walcot<br>(Snow Hill). | Oldfield Park<br>(Baptist<br>Chapel). |
|-----------------------------------------------------|--------------------|------------------------|---------------------------------------|
| Date opened ... ..                                  | Nov. 1913.         | Feb. 1918.             | June 1919.                            |
| Clinic afternoons ... ..                            | Tues. Fri.         | Thursday.              | W'nesday.                             |
| Number of Sessions ... ..                           | 96                 | 46                     | 46                                    |
| Attendances of children                             | 2942               | 1634                   | 1320                                  |
| New cases included in above                         | 287                | 104                    | 129                                   |
| Average attendance of<br>Infants per session ... .. | 30.6               | 35.3                   | 28.6                                  |

This table shows that there were 5,896 attendances at 188 sessions, an average of 31.3 per session. (In 1925, the figures were 5,710, 189 and 30.2).

There is no **Day Nursery** in Bath.

### SUPPLY OF MILK TO NECESSITOUS MOTHERS AND CHILDREN.

Practically all milk is supplied through the Infant Welfare and Ante-Natal Clinics. Careful investigations into the financial circumstances of applicants are made, both at the Clinics and again at the Health Office. Almost the whole of the milk distributed was Grade A (Tuberculin Tested).

The following figures are of interest:—

|                                                              | Average<br>1926. | Average<br>1921-25. |
|--------------------------------------------------------------|------------------|---------------------|
| Average daily number of individuals receiving milk ... ..    | 100              | 90                  |
| Free ... ..                                                  | 99               | 86                  |
| Half-price ... ..                                            | 1                | 4                   |
| *Average daily number of "free pints" ...                    | 108              | 92                  |
| Approximate cost for year ending 31st March following ... .. | £626             | £505                |

\*i.e., counting  $1\frac{1}{2}$  pints at half-price as  $\frac{3}{4}$  pint, and so on.

Half the cost is repaid by Government grant.

**Orthopaedics.** The following figures refer to non-tuberculous infants below school age dealt with under the Maternity and Child Welfare Scheme during 1926:—

|                                                               |     |
|---------------------------------------------------------------|-----|
| Patients receiving residential treatment at Combe Park ... .. | 5   |
| Attendances at After-Care Clinic ... ..                       | 96  |
| Attendances at Massage Clinic ... ..                          | 296 |

A more complete account of our orthopaedic work may be found in my Report to the Education Authority for 1926, pages 14-16.

**Registration of Maternity Homes.** Prior to 1926 no Homes had been registered under Part IX. of the Bath Corporation Act, 1925. During 1926, nine applications were received. Seven were accepted and two refused. In addition, there was one transfer of ownership during the year.

Dental treatment for expectant and nursing mothers was not available during 1926, but the Council's scheme has since received the sanction of the Ministry of Health.

### HEALTH PROPAGANDA.

No definite scheme has yet been undertaken, but the following lectures or addresses were given during the winter session, 1926-27, in connection with the Health or School Medical Departments:—

| Speaker.         | Subject.                                  | Audience.                                 |
|------------------|-------------------------------------------|-------------------------------------------|
| Dr. Preston King | Cremation                                 | Royal Sanitary Inst.<br>Sessional Meeting |
| Dr. Blackett     | Cancer                                    | Venture Club                              |
| "                | City Health Services                      | Trades & Labour C'cil.                    |
| "                | Maternity Legisla-<br>tion                | Midwives Association.                     |
| "                | National Health                           | Adult School                              |
| "                | Responsibilities in<br>Public Health      | Holy Trinity C.E.M.S.                     |
| "                | Ideals in Public<br>Health (two lectures) | Women's Adult School                      |
| "                | Recent Food and<br>Health Legislation     | Argyle Women                              |
| "                | Tuberculosis                              | Walcot Co-op. Women                       |
| Dr. Thomas       | Feeble-minded<br>Children                 | Bristol University<br>Settlement          |
| "                | Toxaemias of<br>Pregnancy                 | Midwives Association                      |
| Dr. Morley       | Infant Welfare                            | Argyle Church                             |
| "                | First Aid (course)                        | St. John Ambulance                        |
| Dr. Williamson   | Tuberculosis                              | Presbyterian Church                       |
| "                | Tuberculosis                              | At Friends' Meeting<br>House              |
| "                | Personal Health                           | Adult School                              |
| "                | National Health                           | " "                                       |
| "                | Preservation of<br>Health                 | Y.M.C.A.                                  |
| "                | Fighting the Tuber-<br>culosis Scourge    | "                                         |
| Mr. H. Whyte     | The Voluntary<br>Helper in Public<br>Work | Rosewell House Volun-<br>tary Helpers     |
| Miss Axten       | Care of Baby                              | Senior Girls of                           |
| Mrs. Inman       | " "                                       | Elementary Schools                        |

# Annual Report

## OF THE

# Chief Sanitary Inspector.

FOR THE YEAR 1926.

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In submitting a statement of Sanitary work carried out for the abatement of Nuisances, etc., during the year 1926, I have endeavoured to carry out the suggestions of the Ministry of Health and have summarised the particulars as far as practicable.

W. A. CRAVEN,

*Chief Sanitary Inspector*

### SUMMARY OF SANITARY WORK, Etc., 1926.

|                                                               |       |
|---------------------------------------------------------------|-------|
| No. of inspections, re-inspections, visits of inquiry, etc.   | 14376 |
| „ „ of Slaughter-houses ... ..                                | 2992  |
| „ „ „ Butchers' Shops, Food Stores, &c. ...                   | 1014  |
| „ „ „ Offensive Trade Premises ...                            | 105   |
| „ „ „ Dairies, Cowsheds & Milk-shops ...                      | 534   |
| „ „ „ Common Lodging-houses ...                               | 214   |
| „ „ „ Canal Boats ... ..                                      | 19    |
| „ „ „ Factories, Workshops, etc. ...                          | 591   |
| „ „ „ Out-workers' Premises ...                               | 16    |
| „ „ „ Houses in Flood Area ... ..                             | 357   |
| „ „ „ „ after infectious disease ...                          | 379   |
| „ „ „ „ infested with Vermin ...                              | 26    |
| „ „ „ Tents, vans, sheds, etc. ... ..                         | 15    |
| „ „ „ on receipt of Application for a<br>Council House ... .. | 39    |
| „ „ „ Places of Public Entertainment ...                      | 69    |
| „ „ „ Piggeries ... ..                                        | 72    |
| „ „ „ under Rats & Mice (Destruction) Act, 1919               | 439   |
| „ „ „ „ Shops' Acts (part of year only) ...                   | 323   |
| „ „ „ „ Increase of Rent, &c., Acts ... ..                    | 4     |
| „ „ „ „ Destructive Insects & Pests Acts ...                  | 8     |





The milk fat ranged from 40.0 to 70.8 per cent. The average was 58.9 per cent.

Determination of milk fat in Cream not sold as Preserved Cream :—

|                        |     |     |     |     |   |
|------------------------|-----|-----|-----|-----|---|
| (1) Above 35 per cent. | ... | ... | ... | ... | 6 |
| (2) Below 35 per cent. | ... | ... | ... | ... | 1 |

The sample below 35 per cent. was a foreign cream and contained 22.0 per cent. of milk fat.

The milk fat in the six samples over 35 per cent. ranged from 49.0 to 63.6. The average was 57.4 per cent.

Instances where (apart from analysis) the requirements as to labelling or declaration of preserved cream in Article V (1) and the proviso in Article V (2) of the Regulations have not been observed :— ... .. nil.

Particulars of each case in which the Regulations have not been complied with, and action taken :— ... .. nil.

All the samples of cream and preserved cream were free from artificial thickening and colouring matter.

### **PUBLIC HEALTH (CONDENSED MILK) REGULATIONS, 1923.**

Seven samples were submitted for analysis under the above Regulations—six of full cream sweetened Condensed Milk and one of machine-skimmed sweetened condensed milk. All were certified as genuine, the full cream samples contained the necessary 9 per cent. of milk fat and 31 per cent. of total milk solids, and the machine-skimmed contained the 26 per cent. of milk solids as required by the Regulations. All the samples were free from metallic contamination and were labelled in conformity with the requirements.

### **BUTTER AND MARGARINE ACT, 1907.**

Under the above Act one application was received for the registration of premises as a Butter factory. After inspection a certificate of registration was issued.

### **SALE OF FOOD AND DRUGS ACTS.**

Under the above Acts 210 samples were submitted to the Public Analyst who certified 200 genuine and 10 adulterated.

The samples taken in previous years were :—1921—84; 1922—107; 1923—116; 1924—116; 1925—130.

The articles analysed were:—Baking powder, 1; Beef suet, 2; Butter, 31; Coffee, 3; Condensed Milk, 7; Corn flour, 3; Cream (preserved), 15; Cream (not preserved), 6; Fruit wine, 6; Jam, 2; Lard, 5; Magarine, 10; Milk, 110; Olive oil, 1; Pepper, 2; Self-raising flour, 3; Vinegar, 3.

The average percentage of fat contained in the 110 samples of milk was 3.9 which is well above the 3.0 per cent. prescribed by the Sale of Milk Regulations. Nine samples were certified as “adulterated by fat abstraction”; the deficiency ranged from 2.59 to 2.97, the average being 2.84. All the milk samples were free from artificial colouring and chemical preservatives.

Eight samples of butter contained Boric preservative but the amount in any case did not exceed the 0.5 per cent. allowed by the Regulations. One informal sample was certified to contain 1.5 per cent. excess moisture; subsequent samples were found to be genuine. The self-raising flours were all genuine flours, free from alum and excess moisture.

Three fruit wines were free from poisonous metals and chemical preservatives. The others contained Salicylic Acid or similar chemical preservative but not in excessive amount.

### COMMON LODGING-HOUSES.

|                                              |        |     |
|----------------------------------------------|--------|-----|
| No. of Common Lodging-houses on the Register | ...    | 4   |
| „ Lodgers accommodated nightly               | ... .. | 119 |
| „ Inspections of Premises                    | ... .. | 214 |
| „ Notices to Linewash                        | ... .. | 8   |
| „ Defects found and remedied                 | ... .. | 4   |

### SLAUGHTER HOUSES.

|                                            | 1920. | Jan. 1926 | Dec. 1926. |
|--------------------------------------------|-------|-----------|------------|
| Registered                                 | 19    | 18        | 18         |
| Licensed                                   | 2     | 3         | 3          |
|                                            | —     | —         | —          |
|                                            | 21    | 21        | 21         |
| No. in regular use                         | ...   | ...       | 19         |
| No. of notifications of change of occupier | ...   | ...       | nil.       |
| „ Inspections                              | ...   | ...       | 2992       |
| „ Notices to Lime-wash, &c.                | ...   | ...       | 27         |
| „ „ remedy defects                         | ...   | ...       | 8          |
| No. closed or discontinued during the year | ...   | ...       | nil.       |
| License renewed during the year            | ...   | ...       | 2          |

**INCREASE OF RENT, &c., ACTS, 1920 and 1923.**

|                                               |     |     |     |     |   |
|-----------------------------------------------|-----|-----|-----|-----|---|
| No. of applications for certificates received | ... | ... | ... | ... | 4 |
| „ „ „ „ withdrawn                             | ... | ... | ... | ... | 1 |
| „ certificates granted                        | ... | ... | ... | ... | 3 |

**CANAL BOATS ACTS, 1877 and 1884.**

The number of Canal boats plying on the local waterways has become almost negligible. The decline in the use of water transport has been general, especially in the non-manufacturing districts, and the number of boats inspected during the year was the lowest on record.

One application was received for registration on account of change of ownership.

Of the 55 boats on the register, I can trace only 9 as being in regular use and considering the number of years these have been in service their condition was very satisfactory. They were clean and in moderately good repair.

|                                      |     |     |     |     |
|--------------------------------------|-----|-----|-----|-----|
| No. of Canal Boats on the Register   | ... | ... | ... | 55  |
| „ „ „ which cannot be traced         | ... | ... | ... | 46  |
| „ „ „ in use or available (about)    | ... | ... | ... | 9   |
| „ „ „ inspections and re-inspections | ... | ... | ... | 19  |
| „ applications for registration      | ... | ... | ... | 1   |
| „ infringements of Regulations       | ... | ... | ... | nil |

**FACTORIES, WORKSHOPS and WORKPLACES.**

|                              |     |     |     |     |     |
|------------------------------|-----|-----|-----|-----|-----|
| No. of inspections—Factories | ... | ... | ... | ... | 32  |
| „ Workshops                  | ... | ... | ... | ... | 383 |
| „ Workplaces                 | ... | ... | ... | ... | 176 |

**DEFECTS FOUND.**

|                                                    |     |     |     |     |    |
|----------------------------------------------------|-----|-----|-----|-----|----|
| Want of Cleanliness                                | ... | ... | ... | ... | 21 |
| „ ventilation                                      | ... | ... | ... | ... | 6  |
| Over-crowding                                      | ... | ... | ... | ... | 1  |
| Drainage of floors                                 | ... | ... | ... | ... | 1  |
| Unsuitable or defective sanitary accommodation     | ... | ... | ... | ... | 17 |
| Insufficient sanitary accommodation                | ... | ... | ... | ... | 2  |
| Not separate for sexes                             | ... | ... | ... | ... | 1  |
| Other nuisances                                    | ... | ... | ... | ... | 27 |
| Notices of occupation received from H.M. Inspector | ... | ... | ... | ... | 5  |
| Notices of sanitary defects                        | ... | ... | ... | ... | 9  |
| „ „ „ (in workshops)                               | ... | ... | ... | ... | 2  |
| Lists of Out-workers received                      | ... | ... | ... | ... | 11 |
| No. of Out-workers on lists                        | ... | ... | ... | ... | 24 |

**RATS AND MICE (DESTRUCTION) ACT, 1919.**

The following figures give the number of complaints received and investigations made under the above Act during the past four years :—

| Year. | Complaints. | Inspections. |
|-------|-------------|--------------|
| 1923  | 92          | 397          |
| 1924  | 107         | 416          |
| 1925  | 79          | 298          |
| 1926  | 114         | 439          |

The increase in the number of complaints is due, probably, to the flooded state of the river and to the various drainage and other works carried out in connection with the extermination of rats, which have driven the rats to seek fresh outlets in other quarters.

Many persons have not yet realised that it is the duty of the occupier to use every endeavour to rid his premises of rats. A large number of the complaints were not of a serious nature and could not be regarded as "infestation"; many related to casual visits of stray rats to food stores, fowl runs, etc., in search of food. In these cases trapping and the laying of poison baits, together with the protection of food stuffs and the exercise of a little care on the part of the complainants, generally effected a clearance. Several complaints were in respect of hollow walls, refuse heaps, and the banks of streams. The use of sulphur dioxide proved most effective in these cases and in very few instances have second complaints been received. Disused and unknown stone drains and sewers, old arches which have been walled off from the premises and are no longer in use, as well as defective drains and sewers, have been the chief causes of complaint. These have been dealt with and the necessary works of repair or reconstruction have been carried out. All complaints are thoroughly investigated, drains are tested, and advice and assistance given in every case.

In an old City like Bath the problem of rat extermination is a difficult one, and as long as there are so many underground harbours for them, it will be some years before anything like a complete clearance is effected.

**LIST OF FOOD CONDEMNED AND DESTROYED AS BEING  
DISEASED, UNSOUND, ETC., DURING THE YEAR, 1926.**

| Meat.                                         | Weight<br>in lbs. | Fish.                                          | Weight<br>in lbs. |
|-----------------------------------------------|-------------------|------------------------------------------------|-------------------|
| Beef (fresh) ...                              | 9855              | Codling (dried) ...                            | 178               |
| Beef (chilled) ...                            | 1740              | Fillets (smoked) ...                           | 560               |
| Mutton ...                                    | 265               | Haddock (dried) ...                            | 210               |
| Lamb ...                                      | 39                | Haddock (fresh) ...                            | 146               |
| Veal ...                                      | 63                | Herring ...                                    | 1596              |
| Veal (imported) ...                           | 21                | Mixed fish ...                                 | 102               |
| Pork ...                                      | 2451              | Plaice ...                                     | 336               |
| Suet ...                                      | 60                | Whiting ...                                    | 980               |
| Total weight—<br>6 tons, 9 cwt, 1 qr, 18 lbs. |                   | Total weight—<br>1 ton, 16 cwt, 2 qrs, 20 lbs. |                   |

| Fruit & Vegetables.                            | Weight<br>in lbs. | Miscellaneous.          |    |
|------------------------------------------------|-------------------|-------------------------|----|
| Apples ...                                     | 6240              | Tinned fruit (no. tins) | 21 |
| Apricots ...                                   | 28                | „ meat paste „          | 17 |
| Cherries ...                                   | 62                | „ corned beef „         | 13 |
| Potatoes ...                                   | 6260              | Eggs (number)           | 42 |
| Plums ...                                      | 3178              | Partridges „            | 36 |
| Tomatoes ...                                   | 1120              |                         |    |
| Total weight—<br>7 tons, 10 cwt, 3 qrs, 4 lbs. |                   |                         |    |

# Cases of Infectious Disease Notified and Removed to Hospital during the year 1926.

| NOTIFIABLE DISEASES.    |       | CASES NOTIFIED AND CASES REMOVED. |     |         |    |        |   |        |   |        |   |        |    |         |    |          |    |          |    |          |    |          |    |          |    |          |    |          |    |           |   |
|-------------------------|-------|-----------------------------------|-----|---------|----|--------|---|--------|---|--------|---|--------|----|---------|----|----------|----|----------|----|----------|----|----------|----|----------|----|----------|----|----------|----|-----------|---|
|                         |       | At Ages—Years.                    |     |         |    |        |   |        |   |        |   |        |    |         |    |          |    |          |    |          |    |          |    |          |    |          |    |          |    |           |   |
|                         |       | At all Ages                       |     | Under 1 |    | 1 to 2 |   | 2 to 3 |   | 3 to 4 |   | 4 to 5 |    | 5 to 10 |    | 10 to 15 |    | 15 to 20 |    | 20 to 25 |    | 25 to 35 |    | 35 to 45 |    | 45 to 55 |    | 55 to 65 |    | 65 & Over |   |
|                         |       | M                                 | F   | M       | F  | M      | F | M      | F | M      | F | M      | F  | M       | F  | M        | F  | M        | F  | M        | F  | M        | F  | M        | F  | M        | F  | M        | F  | M         | F |
| Diphtheria              | ..... | 5                                 | 14  | —       | —  | 1      | 1 | —      | — | 1      | — | 1      | —  | 2       | 3  | 1        | 2  | —        | 1  | —        | 4  | —        | 1  | —        | —  | 3        | 1  | 4        | —  | —         | 1 |
| Erysipelas              | ..... | 6                                 | 16  | —       | —  | —      | — | —      | — | —      | — | —      | —  | 1       | 1  | —        | —  | 1        | —  | —        | —  | —        | —  | —        | —  | —        | —  | —        | —  | —         | — |
| Scarlet Fever           | ..... | 94                                | 138 | —       | 2  | 2      | — | 4      | 1 | 2      | 6 | 7      | 40 | 43      | 19 | 37       | 11 | 17       | 2  | 11       | 4  | 8        | 2  | 5        | 1  | 1        | 1  | —        | —  | —         | — |
| Enteric Fever           | ..... | —                                 | 1   | —       | —  | —      | — | —      | — | —      | — | —      | —  | —       | —  | —        | —  | —        | —  | —        | —  | —        | —  | —        | —  | —        | —  | —        | —  | —         | — |
| Ophthalmia Neonatorum   | ..... | 6                                 | 4   | 6       | 4  | —      | — | —      | — | —      | — | —      | —  | —       | —  | —        | —  | —        | —  | —        | —  | —        | —  | —        | —  | —        | —  | —        | —  | —         | — |
| Pneumonia               | ..... | 20                                | 13  | 1       | 1  | 1      | — | —      | — | —      | 1 | 1      | —  | 2       | 1  | 1        | 1  | —        | —  | 1        | 1  | 1        | 4  | —        | —  | 2        | 1  | 2        | 4  | 3         | 2 |
| Encephalitis Lethargica | ..... | 2                                 | —   | —       | —  | —      | — | —      | — | —      | — | —      | —  | —       | —  | —        | —  | —        | —  | —        | —  | —        | —  | —        | —  | —        | —  | —        | —  | —         | — |
| Puerperal Fever         | ..... | —                                 | 2   | —       | —  | —      | — | —      | — | —      | — | —      | —  | —       | —  | —        | —  | —        | —  | —        | —  | —        | —  | —        | —  | —        | —  | —        | —  | —         | — |
| *Puerperal Pyrexia      | ..... | —                                 | 5   | —       | —  | —      | — | —      | — | —      | — | —      | —  | —       | —  | —        | —  | —        | —  | —        | —  | —        | —  | —        | —  | —        | —  | —        | —  | —         | — |
| Acute Polio-Myelitis    | ..... | —                                 | 2   | —       | —  | —      | — | —      | — | —      | — | —      | —  | —       | —  | —        | —  | —        | —  | —        | —  | —        | —  | —        | —  | —        | —  | —        | —  | —         | — |
| Cerebro Spinal Fever    | ..... | 1                                 | —   | 1       | —  | —      | — | —      | — | —      | — | —      | —  | —       | —  | —        | —  | —        | —  | —        | —  | —        | —  | —        | —  | —        | —  | —        | —  | —         | — |
| Dysentery               | ..... | 1                                 | 1   | —       | —  | —      | — | —      | — | —      | — | —      | —  | —       | —  | —        | —  | —        | —  | —        | —  | —        | —  | —        | —  | —        | —  | —        | —  | —         | — |
| Tuberculosis—Pulmonary  | ..... | 34                                | 40  | —       | —  | —      | — | —      | — | —      | — | —      | —  | 1       | 1  | —        | —  | —        | —  | —        | —  | —        | —  | —        | —  | —        | —  | —        | —  | —         | — |
| “Other”                 | ..... | 11                                | 18  | —       | —  | —      | — | —      | — | —      | — | —      | —  | 2       | 4  | 3        | 6  | —        | 1  | 4        | —  | —        | —  | —        | —  | —        | —  | —        | —  | —         | — |
| Total Notified          | ..... | 180                               | 254 | 8       | 7  | 3      | 1 | 5      | 2 | 3      | 7 | 9      | 10 | 50      | 52 | 25       | 47 | 13       | 23 | 11       | 30 | 21       | 28 | 13       | 18 | 9        | 13 | 6        | 11 | 4         | 5 |
| Diphtheria              | ..... | 5                                 | 12  | —       | —  | 1      | 1 | —      | — | 1      | — | —      | 1  | 2       | 2  | 1        | 2  | —        | —  | 4        | —  | 1        | —  | —        | —  | —        | —  | —        | —  | —         | — |
| Scarlet Fever           | ..... | 82                                | 113 | —       | 2  | 2      | — | 4      | 1 | 2      | 6 | 5      | 7  | 33      | 34 | 18       | 28 | 10       | 14 | 2        | 11 | 4        | 5  | —        | —  | —        | —  | —        | —  | —         | — |
| Other Cases             | ..... | —                                 | 3   | —       | —  | —      | — | —      | — | —      | — | —      | —  | —       | —  | —        | —  | —        | —  | —        | —  | —        | —  | —        | —  | —        | —  | —        | —  | —         | — |
| Total Removed           | ..... | 87                                | 128 | —       | 22 | 1      | 5 | 1      | 3 | 6      | 5 | 8      | 35 | 36      | 19 | 30       | 10 | 15       | 2  | 16       | 4  | 6        | —  | —        | —  | —        | —  | —        | —  | —         | — |

\* Notifiable as from 1-10-26. ‡ Excluding Patients from outside Area.

NOTE.—A Summary of Statistics relating to Number of Notifications, Number of Deaths, Incidence and Death Rates of Infectious Diseases, will be found on page 4, an analysis of Deaths according to Age Periods on pages 38 and 39, and a further note in connection with Notification of Tuberculosis on page 20.

# CITY OF BATH.

CAUSES OF, AND AGES AT, DEATH DURING THE YEAR, ENDING 1ST JANUARY, 1927.  
DEATHS IN WHOLE DISTRICT AT SUBJOINED AGES.

| CAUSES.               | Persons | M.    | F.    | —1    |       | 1—2   |       | 2—5   |       | 5 to 10 |       | 10 to 15 |       | 15 to 20 |       | 20 to 25 |       | 25 to 35 |       | 35 to 45 |       | 45 to 55 |       | 55 to 60 |       | 60 to 65 |       | 65 to 75 |       | 75 to 80 |       | 80 to 85 |       | 85—   |       |
|-----------------------|---------|-------|-------|-------|-------|-------|-------|-------|-------|---------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-------|-------|-------|
|                       |         |       |       | M     | FM    | FM    | FM    | FM    | FM    | FM      | FM    | FM       | FM    | FM       | FM    | FM       | FM    | FM       | FM    | FM       | FM    | FM       | FM    | FM       | FM    | FM       | FM    | FM       | FM    | FM       | FM    | FM       | FM    |       | FM    |
| 1 Enteric Fever       | .....   | ..... | ..... | —     | 1     | ..... | ..... | 1     | ..... | .....   | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | ..... | ..... |
| 3 Measles             | .....   | ..... | ..... | —     | 1     | ..... | ..... | ..... | ..... | .....   | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | ..... | ..... |
| 4 Scarlet Fever       | .....   | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | .....   | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | ..... | ..... |
| 5 Whooping Cough      | .....   | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | .....   | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | ..... | ..... |
| 6 Diphtheria          | .....   | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | .....   | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | ..... | ..... |
| 7 Influenza           | .....   | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | .....   | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | ..... | ..... |
| 8 Erysipelas          | .....   | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | .....   | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | ..... | ..... |
| 8a Encephalitis Leth. | .....   | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | .....   | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | ..... | ..... |
| 9 Meningitis, M'cocal | .....   | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | .....   | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | ..... | ..... |
| 10 Tetanus            | .....   | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | .....   | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | ..... | ..... |
| 11 Tuberculosis of    | .....   | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | .....   | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | ..... | ..... |
| Respiratory System    | .....   | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | .....   | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | ..... | ..... |
| 13 Other Tubercular   | .....   | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | .....   | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | ..... | ..... |
| 14 Syphilis           | .....   | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | .....   | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | ..... | ..... |
| 15 Cancer             | .....   | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | .....   | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | ..... | ..... |
| 16 Sarcoma            | .....   | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | .....   | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | ..... | ..... |
| 17 Rheumatic Fever    | .....   | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | .....   | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | ..... | ..... |
| 18 Osteo-Arthritis    | .....   | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | .....   | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | ..... | ..... |
| 19 Diabetes           | .....   | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | .....   | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | ..... | ..... |
| 20                    | .....   | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | .....   | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | ..... | ..... |
| 21 Cerebral Haem'r'h  | .....   | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | .....   | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | ..... | ..... |
| 22 Hemiplegia         | .....   | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | .....   | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | ..... | ..... |
| 23 Epilepsy           | .....   | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | .....   | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | ..... | ..... |
| 24 Heart Disease      | .....   | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | .....   | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | ..... | ..... |
| 25 Arterio-Sclerosis  | .....   | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | .....   | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | ..... | ..... |
| 26 Bronchitis         | .....   | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | .....   | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | ..... | ..... |
| 27 Broncho-Pneum'ia   | .....   | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | .....   | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | ..... | ..... |
| 28 Pneumonia          | .....   | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | .....   | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | ..... | ..... |
| 29 Other Respiratory  | .....   | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | .....   | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | ..... | ..... |
| 30 Diarrhoea and      | .....   | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | .....   | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | ..... | ..... |
| Enteritis             | .....   | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | .....   | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | ..... | ..... |
| 31 Ulcer of Stomach   | .....   | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | .....   | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | ..... | ..... |
| or Duodenum           | .....   | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | .....   | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | ..... | ..... | ..... |



### Births, Deaths under 1 year, and Infantile Mortality, 1926.

|                             | Total. |        |       | Legitimate. |        |       | Illegitimate. |        |       |
|-----------------------------|--------|--------|-------|-------------|--------|-------|---------------|--------|-------|
|                             | Male   | Female | Total | Male        | Female | Total | Male          | Female | Total |
| Births .....                | 433    | 439    | 872   | 410         | 425    | 835   | 23            | 14     | 37    |
| Deaths (under 1 year) ..... | 31     | 20     | 51    | 30          | 20     | 50    | 1             | —      | 1     |
| Infant Mortality .....      | 72     | 46     | 58    | 73          | 47     | 60    | 43            | —      | 27    |

### Ophthalmia Neonatorum.

| Cases.    |          |          | Vision<br>Unimpaired. | Vision<br>Impaired. | Total<br>Blindness. | Deaths. |
|-----------|----------|----------|-----------------------|---------------------|---------------------|---------|
| Notified. | Treated  |          |                       |                     |                     |         |
|           | At Home. | At Hosp. |                       |                     |                     |         |
| 10*       | 2        | 8        | 10                    | —                   | —                   | —       |

\*Two of these infants died from causes other than Ophthalmia Neonatorum during the year.

### Summary of Meteorological Observations.

Taken at 9 a.m. G.M.T. at Henrietta Park.

| 1926                       |                    | Jan. | Feb. | Mar.  | Apl.  | May   | June  | July  | Aug.  | Sept. | Oct.  | Nov. | Dec. | Year   |
|----------------------------|--------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|--------|
| Temperatures               | Mean .....         | 42.0 | 46.7 | 44.2  | 49.0  | 51.6  | 57.0  | 63.6  | 62.8  | 60.2  | 47.2  | 44.1 | 40.4 | 50.7   |
|                            | Highest .....      | 54.0 | 59.2 | 57.1  | 72.0  | 73.2  | 73.2  | 84.0  | 78.4  | 81.3  | 68.9  | 56.5 | 50.7 | 84.0   |
|                            | Date .....         | 10   | 24   | 29    | 3     | 26    | 30    | 14    | 30    | 18    | 3     | 15   | 28   | .....  |
|                            | Lowest .....       | 17.6 | 30.9 | 29.1  | 32.5  | 33.9  | 42.4  | 44.6  | 45.4  | 36.2  | 22.7  | 26.2 | 27.7 | 17.6   |
|                            | Date .....         | 17   | 14   | 22    | 13    | 16    | 4     | 27    | 27    | 26    | 19    | 1    | 2    | .....  |
| Humidity .....             |                    | 85   | 85   | 76    | 77    | 70    | 68    | 73    | 75    | 81    | 81    | 87   | 85   | 79     |
| Rainfall                   | Total in Inches    | 3.93 | 2.20 | 1.06  | 3.38  | 2.38  | 2.49  | 2.84  | 1.82  | 1.19  | 4.09  | 7.36 | 0.43 | 33.17  |
|                            | No. wet days ..... | 23   | 18   | 6     | 19    | 13    | 10    | 14    | 15    | 14    | 16    | 26   | 11   | 185    |
|                            | Mean of 60 Yrs.    | 2.83 | 2.31 | 2.22  | 2.10  | 2.03  | 2.12  | 2.56  | 2.89  | 2.57  | 3.23  | 2.65 | 3.31 | 30.82  |
|                            | Do. Wet Days       | 14   | 14   | 14    | 13    | 12    | 11    | 13    | 14    | 13    | 16    | 14   | 17   | 165    |
|                            | Sunshine, Hrs.     | 33.0 | 37.0 | 78.4  | 112.1 | 160.9 | 235.6 | 185.7 | 192.8 | 104.9 | 88.5  | 42.1 | 38.4 | 1309.4 |
| Do. Mean of 20 Years ..... |                    | 50.2 | 76.8 | 111.1 | 165.0 | 202.7 | 194.7 | 204.1 | 182.9 | 152.0 | 103.5 | 65.4 | 40.5 | 1548.9 |